```
<!ENTITY % style "Plain|Bold|Italic|Underline|Strikethru">
<!ENTITY % pictboxrunaroundtype
"none|item|autoimage|embeddedpath|alphachannel|nonwhiteareas|sameasclipping|pict
urebounds">
<!ENTITY % simplerunaroundtype "none|item">
<!ENTITY % truefalse "true|false">

<!ELEMENT layout   (page )+>

<!ELEMENT page    (pictureBox | textBox | line )*>
<!ATTLIST page                                        width    CDATA   #REQUIRED

               height  CDATA   #REQUIRED
                                                   pageNum CDATA   #REQUIRED

>
<!ELEMENT pictureBox    (picture?)>
<!ATTLIST pictureBox
                    canEdit           (%truefalse;)  #REQUIRED
                    isprintable       (%truefalse;)  #IMPLIED
                    xpos              CDATA  #REQUIRED
                    ypos              CDATA  #REQUIRED
                    zpos              CDATA  #REQUIRED
                    width             CDATA  #REQUIRED
                    height            CDATA  #IMPLIED
                    color             CDATA  #IMPLIED
                    shade             CDATA  #IMPLIED
                    angle             CDATA  #IMPLIED
                    skew              CDATA  #IMPLIED
                    frameWidth        CDATA  #IMPLIED
                    frameColor        CDATA  #IMPLIED
                    frameShade        CDATA  #IMPLIED
                    cornerradius      CDATA  #IMPLIED
                    runaroundtype     (%pictboxrunaroundtype;)   #IMPLIED
                    runaroundtop      CDATA  #IMPLIED
                    runaroundleft     CDATA  #IMPLIED
                    runaroundbottom   CDATA  #IMPLIED
                                                               runaroundright
CDATA  #IMPLIED
>
<!ELEMENT picture EMPTY>
<!ATTLIST picture
                    isprintable       (%truefalse;)  #IMPLIED
                    url               CDATA  #REQUIRED
                    xoffset           CDATA  #IMPLIED
                    yoffset           CDATA  #IMPLIED
                    xscale            CDATA  #IMPLIED
                    yscale            CDATA  #IMPLIED
                                                        angle        CDATA
#IMPLIED
                    skew              CDATA  #IMPLIED
                    fliphorizontal  (%truefalse;)  #IMPLIED
                    flipvertical    (%truefalse;)  #IMPLIED

>
<!ELEMENT text (#PCDATA)>
<!ELEMENT textRange   (style*,text)>
<!ATTLIST textRange
                    font CDATA  #IMPLIED
```

```
                                                    size   CDATA

#IMPLIED                 color  CDATA  #IMPLIED
                         justification (left | center | right) #IMPLIED

>
<!ELEMENT textBox    (textProperties?, textRange*)>
<!ATTLIST textBox
                    canEdit          (%truefalse;)  #REQUIRED
                    isprintable      (%truefalse;)  #IMPLIED
                      numCols           CDATA #REQUIRED
                    xpos             CDATA  #REQUIRED
                    ypos             CDATA  #REQUIRED
                    zpos             CDATA  #REQUIRED
                    width            CDATA  #REQUIRED
                    height           CDATA  #REQUIRED
                    color            CDATA  #IMPLIED
                    shade            CDATA  #IMPLIED
                    angle            CDATA  #IMPLIED
                    skew             CDATA  #IMPLIED
                    frameWidth       CDATA  #IMPLIED
                    frameColor       CDATA  #IMPLIED
                    frameShade       CDATA  #IMPLIED
                    cornerradius     CDATA  #IMPLIED
                    runaroundtype    (%simplerunaroundtype;)  #IMPLIED
                    runaroundtop     CDATA  #IMPLIED
                    runaroundleft    CDATA  #IMPLIED
                    runaroundbottom  CDATA  #IMPLIED
                    runaroundright   CDATA  #IMPLIED
                    runaroundallsides CDATA #IMPLIED
                    chainName        CDATA  #IMPLIED
                    numberInChain    CDATA  #IMPLIED

>
<!ELEMENT textProperties  EMPTY>
<!ATTLIST textProperties                    angle          CDATA  #IMPLIED
            skew            CDATA  #IMPLIED
            fliphorizontal (%truefalse;)  #IMPLIED
            flipvertical   (%truefalse;)  #IMPLIED
            gutter          CDATA  #IMPLIED
            inset           CDATA  #IMPLIED

>
<!ELEMENT style EMPTY>
<!ATTLIST style  name  (%style; )  #REQUIRED >
<!ELEMENT line EMPTY>
<!ATTLIST line
                    canEdit          (%truefalse;)  #REQUIRED
                    x1               CDATA  #REQUIRED
                    y1               CDATA  #REQUIRED
                    x2               CDATA  #REQUIRED
                    y2               CDATA  #REQUIRED
                    zpos             CDATA  #REQUIRED
                    width            CDATA  #REQUIRED
                    color            CDATA  #IMPLIED
                    shade            CDATA  #IMPLIED
                    runaroundtype    (%simplerunaroundtype;)  #IMPLIED
                    runaroundtop     CDATA  #IMPLIED
                    runaroundleft    CDATA  #IMPLIED
```

runaroundbottom CDATA #IMPLIED   runaroundright CDATA #IMPLIED